

IN THE CLAIMS

The following listing of claims will replace all prior versions, and listing of claims in the application:

1-3. (canceled)

4. (currently amended): The micro-filter as claimed in claim [[1,]] 9, wherein the filtering channel structures are respectively attached to the through channel structures by an anode joint.

5. (currently amended): The micro-filter as claimed in claim[[1,]] 9, wherein the filtering channel structures and the through channel structures are made of a silicon wafer.

6. (currently amended): The micro-filter as claimed in claim [[1,]] 9, wherein the filtering channel structures are respectively attached to the through channel structures in [[an]] a stacked array.

7. (currently amended): A ~~micro-filter for filtering blood cells, comprising:~~

~~a plurality of filtering channel structures, each having a first through hole and a first concave portion connected to each other, wherein the first concave portion defines two first channel portions opposite each other, and each first channel portion includes a plurality of channels and first openings, wherein the first opening has a first width for filtering first blood cells; and~~

~~a plurality of through channel structures respectively connecting to the filtering channel structures, wherein each defines a second through hole and a second concave portion connected to each other, the second through hole connects to the first concave portion, and the second concave portion defines two second channel portions opposite each other, each of the second~~

~~channel portions having a plurality of channels and second openings, wherein the second openings have a second width smaller than the first width for filtering second blood cells that are smaller than the first blood cells, and~~

The micro-filter as claimed in claim 9, comprising

a base structure connected to a bottom of the through channel structures and having a plurality of through hole therein to strengthen the micro-filter.

8. (new): The micro-filter as claimed in claim 1, wherein the plurality of filtering channel structures and the plurality of through channel structures are made of a unitary material and have a same thickness.

9. (new): A micro-filter comprising:

a plurality of filtering channel structures, each including a first through hole and two first channel portions opposite to each other on both sides of the first through hole, wherein each first channel portion consists of a plurality of first channels, each of the first channels includes a respective first opening, all of the first openings have a same first width, and the first channels are parallel to each other; and

a plurality of through channel structures, each including two second through holes aligned with the first channel portions respectively and a second channel portion adjacent to the second through holes on both sides thereof, wherein the second channel portion consists of a plurality of second channels parallel to each other, each of the second channels includes a respective second opening, and all of the second openings have a same second width;

wherein the filtering channel structures and the through channel structures are stacked alternately over each other, all the channels of the structures are parallel, and the width of the opening of channels is always smaller than that of channels stacking over thereon.